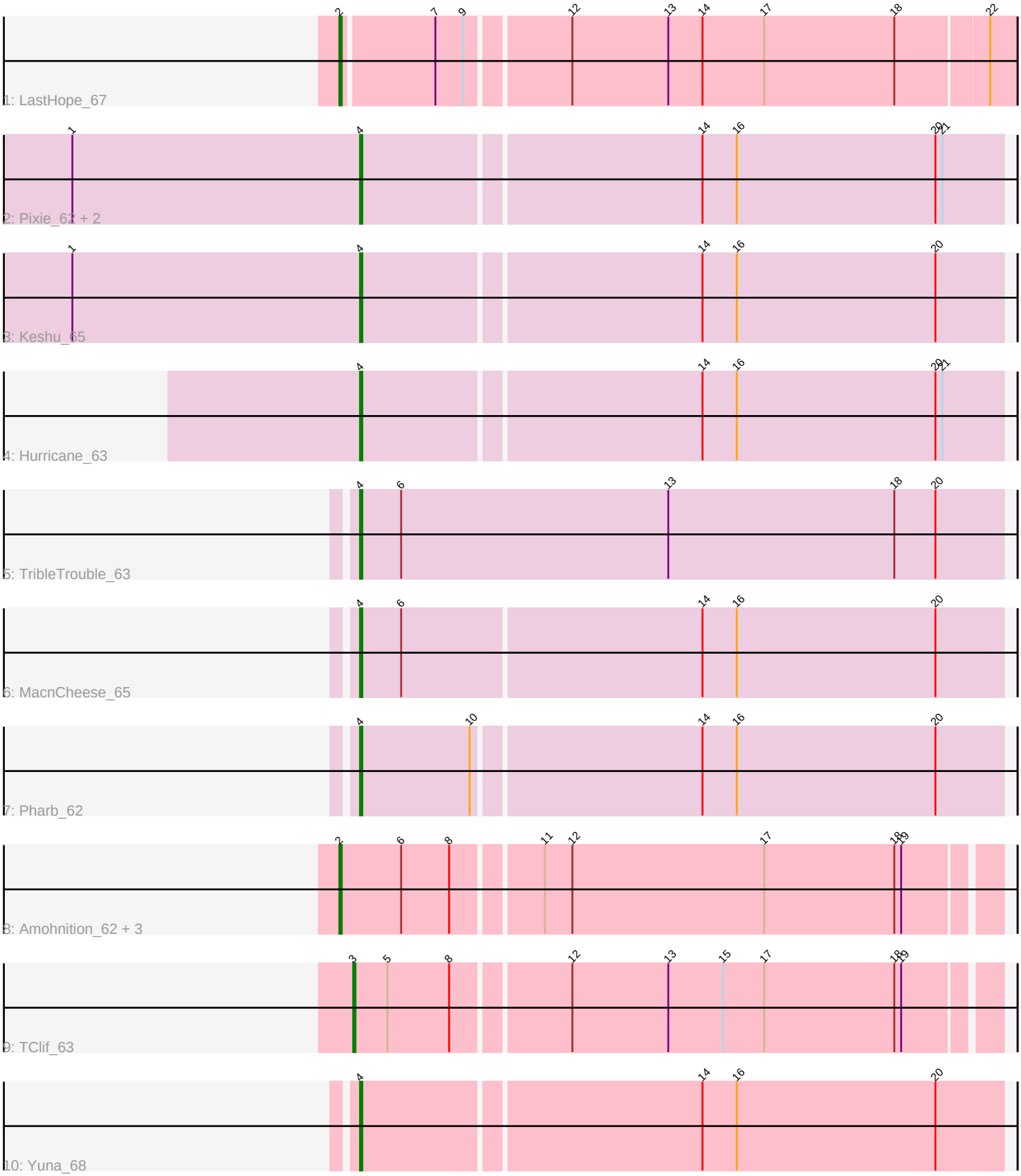
Pham 348137


1: LastHope_67
2: Pixie_62 + 2
3: Keshu_65
4: Hurricane_63
5: TribleTrouble_63
6: MacnCheese_65
7: Pharb_62
8: Amohnition_62 + 3
9: TClif_63
10: Yuna_68

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 348137 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348137 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : LastHope_67
• Track 2 : Pixie_62, Lea83_63, ShedlockHolmes_64
• Track 3 : Keshu_65
• Track 4 : Hurricane_63
• Track 5 : TribleTrouble_63
• Track 6 : MacnCheese_65
• Track 7 : Pharb_62
• Track 8 : Amohnition_62, Hammy_62, DarthP_62, November_60
• Track 9 : TClif_63
• Track 10 : Yuna_68

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 9 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hurricane_63, Keshu_65, Lea83_63, MacnCheese_65, Pharb_62, Pixie_62, ShedlockHolmes_64, TribleTrouble_63, Yuna_68,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• Amohnition_62, DarthP_62, Hammy_62, LastHope_67, November_60, TClif_63,

Summary by start number:

Start 2:
• Found in 5 of 15 (33.3%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amohnition_62 (K6), DarthP_62 (K6), Hammy_62 (K6), LastHope_67 (K1), November_60 (K6),

Start 3:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TClif_63 (K6),

Start 4:
• Found in 9 of 15 (60.0%) of genes in pham
• Manual Annotations of this start: 9 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hurricane_63 (K3), Keshu_65 (K3), Lea83_63 (K3), MacnCheese_65 (K3), Pharb_62 (K3), Pixie_62 (K3), ShedlockHolmes_64 (K3), TribleTrouble_63 (K3), Yuna_68 (K6),

Summary by clusters:

There are 3 clusters represented in this pham: K3, K1, K6,

Info for manual annotations of cluster K1:
•Start number 2 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K3:
•Start number 4 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K6:
•Start number 2 was manually annotated 4 times for cluster K6.
•Start number 3 was manually annotated 1 time for cluster K6.
•Start number 4 was manually annotated 1 time for cluster K6.

Gene Information:

Gene: Amohnition_62 Start: 42807, Stop: 43085, Start Num: 2
Candidate Starts for Amohnition_62:
(Start: 2 @42807 has 5 MA's), (6, 42834), (8, 42855), (11, 42891), (12, 42903), (17, 42987), (18, 43044), (19, 43047),

Gene: DarthP_62 Start: 42661, Stop: 42939, Start Num: 2
Candidate Starts for DarthP_62:
(Start: 2 @42661 has 5 MA's), (6, 42688), (8, 42709), (11, 42745), (12, 42757), (17, 42841), (18, 42898), (19, 42901),

Gene: Hammy_62 Start: 42649, Stop: 42927, Start Num: 2
Candidate Starts for Hammy_62:
(Start: 2 @42649 has 5 MA's), (6, 42676), (8, 42697), (11, 42733), (12, 42745), (17, 42829), (18, 42886), (19, 42889),

Gene: Hurricane_63 Start: 42638, Stop: 42913, Start Num: 4
Candidate Starts for Hurricane_63:
(Start: 4 @42638 has 9 MA's), (14, 42782), (16, 42797), (20, 42884), (21, 42887),

Gene: Keshu_65 Start: 42736, Stop: 43011, Start Num: 4
Candidate Starts for Keshu_65:
(1, 42610), (Start: 4 @42736 has 9 MA's), (14, 42880), (16, 42895), (20, 42982),

Gene: LastHope_67 Start: 41744, Stop: 42028, Start Num: 2
Candidate Starts for LastHope_67:
(Start: 2 @41744 has 5 MA's), (7, 41783), (9, 41795), (12, 41837), (13, 41879), (14, 41894), (17, 41921), (18, 41978), (22, 42017),

Gene: Lea83_63 Start: 42673, Stop: 42948, Start Num: 4
Candidate Starts for Lea83_63:
(1, 42547), (Start: 4 @42673 has 9 MA's), (14, 42817), (16, 42832), (20, 42919), (21, 42922),

Gene: MacnCheese_65 Start: 43252, Stop: 43530, Start Num: 4
Candidate Starts for MacnCheese_65:
(Start: 4 @43252 has 9 MA's), (6, 43270), (14, 43399), (16, 43414), (20, 43501),

Gene: November_60 Start: 42559, Stop: 42837, Start Num: 2
Candidate Starts for November_60:
(Start: 2 @42559 has 5 MA's), (6, 42586), (8, 42607), (11, 42643), (12, 42655), (17, 42739), (18, 42796), (19, 42799),

Gene: Pharb_62 Start: 41985, Stop: 42260, Start Num: 4
Candidate Starts for Pharb_62:
(Start: 4 @41985 has 9 MA's), (10, 42033), (14, 42129), (16, 42144), (20, 42231),

Gene: Pixie_62 Start: 42158, Stop: 42433, Start Num: 4
Candidate Starts for Pixie_62:
(1, 42032), (Start: 4 @42158 has 9 MA's), (14, 42302), (16, 42317), (20, 42404), (21, 42407),

Gene: ShedlockHolmes_64 Start: 42677, Stop: 42952, Start Num: 4
Candidate Starts for ShedlockHolmes_64:
(1, 42551), (Start: 4 @42677 has 9 MA's), (14, 42821), (16, 42836), (20, 42923), (21, 42926),

Gene: TClif_63 Start: 42277, Stop: 42549, Start Num: 3
Candidate Starts for TClif_63:
(Start: 3 @42277 has 1 MA's), (5, 42292), (8, 42319), (12, 42367), (13, 42409), (15, 42433), (17, 42451), (18, 42508), (19, 42511),

Gene: TribleTrouble_63 Start: 43151, Stop: 43432, Start Num: 4
Candidate Starts for TribleTrouble_63:
(Start: 4 @43151 has 9 MA's), (6, 43169), (13, 43286), (18, 43385), (20, 43403),

Gene: Yuna_68 Start: 43889, Stop: 44164, Start Num: 4
Candidate Starts for Yuna_68:
(Start: 4 @43889 has 9 MA's), (14, 44033), (16, 44048), (20, 44135),